

g/10 min. and a density in the range from 0.945 to 0.980 g/cm<sup>3</sup>,

0.2-20% of a modified ethylene/ $\alpha$ -olefin copolymer (a2) which is modified by having grafted thereon an unsaturated carboxylic acid or its derivative and has a density in the range from 0.900 to 0.940 g/cm<sup>3</sup> and 0.5-30% of an ethylene/vinyl alcohol copolymer (b), based on the weight of the composition,

and having a melt flow rate (MFR) according to ASTM D 1238 (190°C, 2160 g load) in the range from 0.001 to 0.2 g/10 min., a density in the range from 0.940 to 0.970 g/cm<sup>3</sup> and an Izod impact strength (with notch), determined according to ASTM D 256 at minus 40°C, of at least 100 J/m.--

--12. A resin composition (c) which is based on polyethylene, comprising

99-65% of a polyethylene resin (a1) having a melt flow rate (MFR) according to ASTM D 1238 (190°C, 2160 g load) in the range from 0.001 to 0.5 g/10 min. and a density in the range from 0.945 to 0.980 g/cm<sup>3</sup>,

0.5-15% of a modified ethylene/ $\alpha$ -olefin copolymer (a2) which is modified by having grafted thereon

an unsaturated carboxylic acid or its derivative  
and has a density in the range from 0.900 to 0.940  
g/cm<sup>3</sup> and  
1-25% of an ethylene/vinyl alcohol copolymer (b),  
based on the weight of the composition,  
and having a melt flow rate (MFR) according to ASTM D 1238  
(190°C, 2160 g load) in the range from 0.001 to 0.2 g/10  
min., a density in the range from 0.940 to 0.970 g/cm<sup>3</sup> and an  
Izod impact strength (with notch), determined according to  
ASTM D 256 at minus 40°C, of at least 100 J/m.--

--13. The resin composition (c) based on polyethylene  
as claimed in claim 11, wherein the proportion of the graft-  
modifying component relative to the entire resin composition  
(c) is 100-1,500 ppm.--

--14. The resin composition (c) based on polyethylene  
as claimed in claim 12, wherein the proportion of the graft-  
modifying component relative to the entire resin composition  
(c) is 100-1,500 ppm.--

--15. The resin composition based on polyethylene as  
claimed in claim 11, which is obtained by crushing a